

# ***INSTRUCTIONS***

## **15.2-inch Roof Mount Color Monitor With IR Audio Transmitter**



**15.2"**

**16:9**

Before operating the unit, please read these instructions carefully

## General Information

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## WELCOME

Thank you for your purchase of this Roof Mount Color Monitor. Prior to operating this unit, please read this instruction manual and retain it for future references.

## PRECAUTIONS

*To avoid serious electrical damage to the unit, to the car and/or to yourself, you should follow the instructions in this manual.*

\* Should there be a need to replace a burnt fuse, turn off the unit and disconnect all power supply. Use only the correct rating fuse to avoid electrical damage to the unit.

\* During operation, if the unit should over-heat or malfunction, switch off the unit and see your dealer. Do not disassemble the unit. There are no serviceable parts in this unit.

*To avoid serious injury to yourself and prevent damage to the LCD panel, please observe the following:*

\* Do not drop the LCD panel or subject it to direct impact. Impact will cause damage to the LCD panel and/or to the back light element.

\* Should the LCD panel brake or leak fluid, please avoid all contact with the unit. If you should come into contact with the leaked fluid, please wash the affected area thoroughly with water and seek immediate medical attention.

*This unit is designed using high quality electronic components and manufactured under a stringent quality control system. This unit will provide you with numerous hours of quality performance if utilized as specified. If need be, please follow these maintenance procedures:*

\* The battery of the remote control unit has an estimated life cycle of six (6) months. To ensure proper functionality, replace the battery on a timely manner. Once replaced, both batteries must be new.

\* Do not use any chemical solvent, cleaning agent or corrosive detergent when wiping the display. If chemicals are used, you will cause irreversible damage to the TFT screen. A soft, damp, lens cleaning cloth should be used to wipe the screen of fingerprints and debris.

\* Do not drop the monitor or impact it with hard objects. This may cause permanent irreversible damage to the LCD panel and/or the back light element.

\* When operating the unit, avoid contact with the LCD panel.

\* Prevent a metal or foreign object being locked between the LCD screen and the enclosure. Objects may impeach smooth running of the tray and may cause electrical problems.

### **IMPORTANT NOTES:**

\* When the unit is used in conjunction with a Radio/TV tuner, please assure that the receiver is manufactured to receive television broadcast signals that are transmitted via terrestrial radio waves. Reception quality will change and vary according to geographic location and climatic control.

\* We strongly advise for the display screen to be installed at a location, where the attentiveness of the driver will not be affected while driving.

\* Avoid installing the monitor at a location, where it will be under direct sunlight or a hot air vent. Operating temperature of the unit is from 32-92 degrees fahrenheit. If the internal temperature of the vehicle is higher than the normal operating temperature, please allow cool off periods for the unit.

\* Install the unit at a dry location, where it is away from condensation.

\* Only correct size of fasteners or installation cables should be used during installation. Failure to do so may cause a mechanical failure and create a fire hazard.

\* When in doubt, the authorized dealer should be contacted.

\* To avoid electrical shock to yourself and others, do not disassemble the unit, for there are no serviceable parts within.

\* The picture quality of this LCD unit depends strictly on its installed location. To achieve the best picture quality, adjust the brightness control or viewing angle of the unit until the optimum level is reached.

**Before installing this display system, please check that you are in compliance with your local traffic rules and regulations**

## **INSTALLATION GUIDE**

### **Precautions:**

- 1. This unit should be installed by a qualified service technician.**
- 2. This product is designed to operate with a 12V DC, negative ground battery system.**
- 3. Disconnect the ground wire from the battery terminal prior to connecting the unit to the electrical system.**
- 4. The wiring from some other products or accessories might bear similar color code as this product; however, they might be of other function. Please refer to the electrical connection diagrams of this product prior to installing to avoid improper connection.**
- 5. Use proper installation and fastening materials to prevent electrical damage to the unit.**
- 6. Do not connect the yellow wire of this product directly to the battery terminal. Connect the red wire of this product to the ACC of the ignition key switch. Failure to do so may result in permanent drainage of the battery charge.**
- 7. Only supplied accessories should be used to avoid damage to the unit during installation.**
- 8. Ensure that the display monitor is suitably installed at a location, such that it will not obstruct the rear view mirror and/or the air condition vents.**
- 9. Do not install this unit at a declining angle exceeding 30° degrees.**
- 10. Do not install screws over the plane surface, which may affect monitor eject or retract function.**

## ELECTRICAL CONNECTION:

### AD-6869

Color Code	Function
Black	Ground
Red	ACC
Yellow	+12V

### COURTESY LIGHTS

Color Code	Function
Black	Ground
Red	ACC
Grey	Door - Light Sensor
Yellow	+12V

## SIGNAL CONNECTION:

### AUDIO

Color Code	Function
Red 1 (RCA)	Audio - Right (Input)
White 1 (RCA)	Audio - Left (Input)
Red 2 (RCA)	Audio - Right (Input)
White 2 (RCA)	Audio - Left (Input)
Red 3 (RCA)	Audio - Right (Input)
White 3 (RCA)	Audio - Left (Input)

### VIDEO

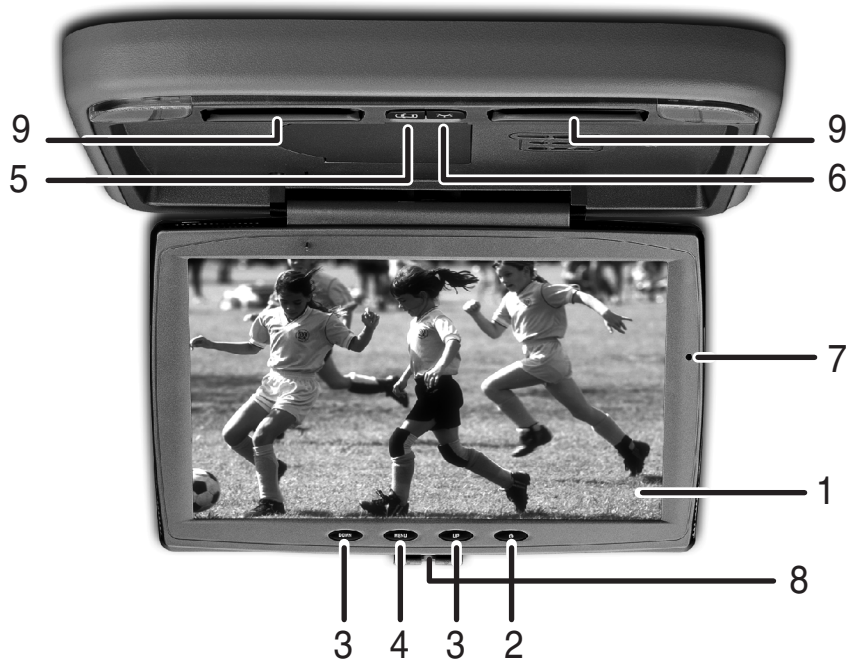
Color Code	Function
Yellow 1 (RCA)	Video - In (V-IN 1)
Yellow 2 (RCA)	Video - In (V-IN 2)
Yellow 3 (RCA)	Video - Out (V - OUT 1)

## TYPICAL WIRING DIAGRAMS



Note : The unit will automatically power off once the ACC is turned off.  
Be sure to connect the Red wire to the ACC power.

## MAIN UNIT FUNCTION KEYS



1|BLCD Display

2|BON OFF Button (  )

3|BUP/DOWN Button (UP/DOWN)

4|BMENU Button (MENU)

5|BDoor Light ON / OFF Button(  )

6|BCourtesy Light (  )

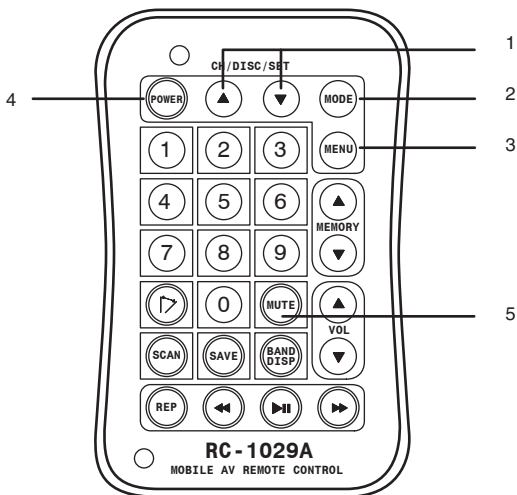
7|BRemote Sensor

8|BOPEN Button

9|BIR Transmitter

## REMOTE CONTROL UNIT

Frequently used buttons:



**1. CH / DISC / SET ( ▲ / ▼ ) buttons**

Use these buttons to search for TV channels or to select disc title or to select the desired settings under MENU screen.

**2. MODE button**

Press this button to select the required input video source, i.e. TV / AV1 / AV2.

**3. MENU button**

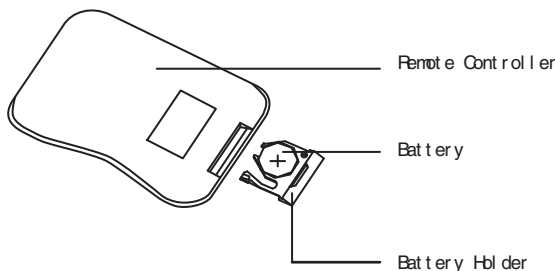
Press this button to display the menu screen.

**4. POWER button**

Press this button to OPEN (ON) or CLOSE (OFF) the monitor enclosure

**5. MUTE button**

## Replacement of battery



1. Use a small coin to open the battery clip.
2. Remove old battery and replace it with the positive “+” sign facing upward.
3. Push battery clip into compartment until it is locked.

## Precautions

1. Properly dispose of used battery.
2. Do not misuse battery by shorting the positive “+” and negative “-” terminal or put it into fire. Overheating may cause the battery to explode and cause a fire hazard.
3. Remove the used battery from the compartment to prevent leakage.
4. To avoid accidents, prevent children from playing with the battery.

## OPERATING THE MONITOR

Note: Some function modes can only be activated when the monitor is connected as an integrated system with our range of peripherals, e.g. Radio TV Tuner, VCD/CD Changer, DVD Player, or DVD Changer.

### 1. EJECT/OPEN THE DISPLAY MONITOR

To eject/open the display monitor, push & pull the open button to the desired position.

### 2. KEEPING THE DISPLAY MONITOR CLOSED

To prevent the LCD display from opening, pull the monitor back into the tray and engage the monitor lock with a click.

### 3. SIGNAL SOURCE ON/OFF ( )

To select the input signal AV1 or AV2 by activation of ON/OFF (MODE) button.

Note: The key function of this monitor will change when it is installed with our range of peripheral products. e.g. TV/Radio Tuner or Amplifier. Please refer to the respective product manual for details.

#### 4. FUNCTION MODE (MENU)

Press “MENU” button to activate the screen set up sequence as follows:

COLOR  $\div$  CONTRAST  $\div$  BRIGHTNESS  $\div$  TINT  $\div$  SCREEN MODE

COLOR: Color adjustment

CONTRAST: Contrast adjustment

BRIGHTNESS: Brightness setting

TINT: Adjustment to color saturation

SCREEN MODE: SCREEN MODE Adjustment



Cinema ☐

Normal ☐

Zoom ☐

Wide

Once the desired setting is selected, press the cursor key to the desired setting. If a key is not activated within 5 seconds, this function mode will turn off.

Once the correct function is selected, press the cursor key i.e. (  or (  to the desired setting. If no key is depressed, this function mode will turn OFF in about 5 seconds.

#### 5. DOOR LIGHT ON/OFF ( )

Engage this switch to have the door sensor activate the doom lights.

Note: This function can be operational only when the Gray wire of the crystal doom light assembly is connected to the door sensor. ☐

☐

#### 6. COURTESY LIGHT ON/OFF ( ) ☐

Activate this switch to “ON/OFF” to activate the crystal doom light.

## Accessories supplied

Item	Item Description	Quantity
1	Metal plate	1
2	Adaptor, AD6869	1
3	Fastener screws, (Pan head B3 x 5)	4
4	Fastener screws, (B3 x 12)	2
5	Remote controller (RC-1029A)	1
6	Operating manual	1
7	Power supply cable assembly, 4P	1
8	Interconnecting cable assembly, doom light	1
9	Source Cable MD 13 pin-13pin	1

## TECHNICAL SPECIFICATIONS

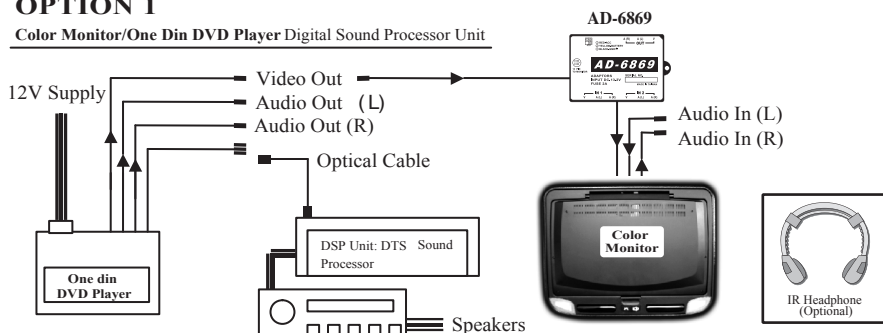
<b>Type</b>	Roof Mount Color Display Monitor
<b>Display System</b>	15.2-inch Active Matrix Color TFT LCD NTSC / PAL Auto Switch
<b>Display Format</b>	409,920 pixels
<b>Aspect Ratio</b>	16 : 9
<b>Resolution</b>	854 (W) x 480 (H) x 3 RGB
<b>Active Area</b>	335.6 (W) x 188.6 (H) mm
<b>Back Light</b>	10,000 hours normal operation
<b>Mechanism</b>	Manual Open / Close
<b>Display Angle</b>	Adjustable Horizontal: Up/Down < 110°
<b>Source</b>	Composite video input x 2 Composite video output x 1 Audio L/R input x 1
<b>Wireless Audio</b>	Infrared audio transmitter (Support IR receiver stereo head phone, L-channel: 2.3MHz / R-channel: 2.8MHz) Effective listening angle: 30° Effective range: 4 meter
<b>Crystal Doom Light</b>	5W x 2 with door sensor connection
<b>Operating Voltage</b>	DC 12V
<b>Operating Current</b>	2.3A, Typical
<b>Operating Temperature</b>	0°C to 60°C

All specifications are subjected to change without prior notification

# SYSEM CONFIGURATION

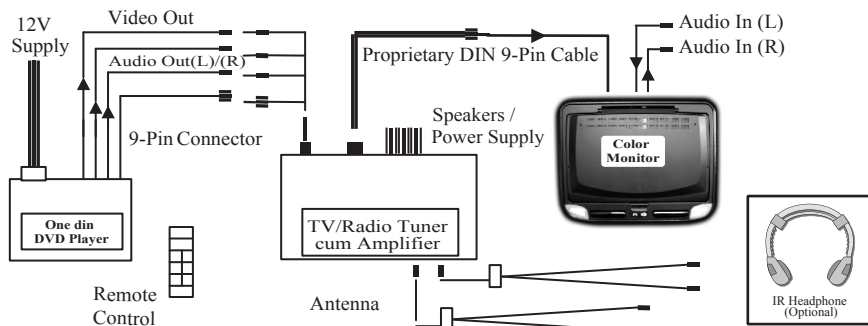
## OPTION 1

Color Monitor/One Din DVD Player Digital Sound Processor Unit



## OPTION 2

Color Monitor/TV/Radio Tuner cum Amplifier / One Din DVD Player



## OPTION 3

Color Monitor/One Din DVD Player / Pre-Amp / Power Amplifier

